



ELSEVIER

Signal Processing 50 (1996) 247–248

---

---

**SIGNAL  
PROCESSING**

---

---

## Cumulative contents of Volume 50

### Volume 50, Nos. 1–2, April 1996

#### Special Issue on Subspace Methods, Part I: Array Signal Processing and Subspace Computations

Guest Editors: Mats Viberg and Petre Stoica

##### Papers

M. Viberg and P. Stoica	
Editorial note .....	1
C. Vaidyanathan and K.M. Buckley	
Performance analysis of DOA estimation based on nonlinear functions of covariance matrix .....	5
C.H. Gierull	
Performance analysis of fast projections of the Hung–Turner type for adaptive beamforming .....	17
A. Swindlehurst	
Detection and estimation in the presence of signals with uncalibrated spatial signature .....	29
W. Xu and M. Kaveh	
Comparative study of the biases of MUSIC-like estimators .....	39
T. Trump and B. Ottersten	
Estimation of nominal direction of arrival and angular spread using an array of sensors.....	57
W. Qiu and Y. Hua	
Performance analysis of the subspace method for blind channel identification.....	71
H. Liu, G. Xu, L. Tong and T. Kailath	
Recent developments in blind channel equalization: From cyclostationarity to subspaces .....	83
R.D. DeGroat, E.M. Dowling, H. Ye and D.A. Linebarger	
Spherical subspace tracking for efficient, high performance adaptive signal processing applications .....	101
B. Yang	
Asymptotic convergence analysis of the projection approximation subspace tracking algorithms .....	123
C.S. MacInnes and R.J. Vaccaro	
Tracking directions-of-arrival with invariant subspace updating .....	137
L. Eldén and E. Sjöström	
Fast computation of the principal singular vectors of Toeplitz matrices arising in exponential data modelling .....	151

### Volume 50, No. 3, May 1996

##### Papers

M. Rupp and A.H. Sayed	
Robustness of Gauss–Newton recursive methods: A deterministic feedback analysis.....	165
R.J. Martin and C.A. Openshaw	
Autoregressive modelling in vector spaces: An application to narrow-bandwidth spectral estimation.....	189
O.C. Au	
On sensitivity of detector structures to contaminants in non-white mixture noise model .....	195
A.J. Weiss and B. Friedlander	
Array processing using joint diagonalization .....	205

L. Rebollo Neira and A.G. Constantinides	
Power spectrum estimation from values of noisy autocorrelations.....	223
K. Tang and Y. Neuvo	
Multidirectional vector edge enhancers based on nonlinear operation.....	233
<b>Thesis alert.....</b>	241
<b>Announcement and calls for papers .....</b>	243
<b>Author index of Volume 50 .....</b>	245
<b>Cumulative contents of Volume 50.....</b>	247

